

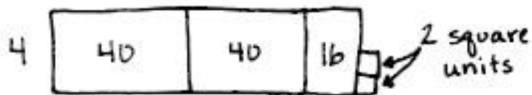
Name _____

Date _____

1. Solve $35 \div 2$ using an area model. Use long division and the distributive property to record your work.

2. Solve $79 \div 3$ using an area model. Use long division and the distributive property to record your work.

3. Paulina solved the following division problem by drawing an area model.



- What division problem did she solve?
- Show how Paulina's model can be represented using the distributive property.

Solve the following problems using the area model. Support the area model with long division or the distributive property.

4. $42 \div 3$

5. $43 \div 3$

6. $52 \div 4$

7. $54 \div 4$

8. $61 \div 5$

9. $73 \div 3$

10. Ninety-seven lunch trays were placed equally in 4 stacks. How many lunch trays were in each stack? How many lunch trays will be left over?

Answer Key

1. 17 R1; answer includes area model, long division, and distributive property
2. 26 R1; answer includes area model, long division, and distributive property
3. a. $98 \div 4 = 24$ R2
b. $(40 \div 4) + (40 \div 4) + (16 \div 4) = 10 + 10 + 4 = 24$
4. 14; answer includes area model and long division or distributive property
5. 14 R1; answer includes area model and long division or distributive property
6. 13; answer includes area model and long division or distributive property
7. 13 R2; answer includes area model and long division or distributive property
8. 12 R1; answer includes area model and long division or distributive property
9. 24 R1; answer includes area model and long division or distributive property
10. 24 lunch trays; 1 lunch tray